

DERWENT-ACC-NO: 1991-214016

DERWENT-WEEK: 199129

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TITLE: Etching soln. - contains nitric, sulphuric, or phosphoric acid, sodium or potassium sulphite and water

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PATENT-ASSIGNEE: KISH FOOD EQPT WKS[KSFOR]

PRIORITY-DATA: 1988SU-4619046 (November 2, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1604769 A	November 7, 1990	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1604769A	N/A	1988SU-4619046	November 2, 1988

INT-CL (IPC): C03C017/22

ABSTRACTED-PUB-NO: SU 1604769A

BASIC-ABSTRACT:

The soln. contains (in wt.%): inorganic acid 26-70, Na<sub>2</sub>SO<sub>4</sub> or K<sub>2</sub>SO<sub>4</sub> 0.02-2.3 and balance water. Inorganic acid can be HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>, or HCl, and the compsn. of soln. can be (in wt.%):

- 1) HNO<sub>3</sub> 26-50, Na<sub>2</sub>SO<sub>4</sub> or K<sub>2</sub>SO<sub>4</sub> 0.1-0.75 and balance water;
- 2) H<sub>2</sub>SO<sub>4</sub> 26-70, Na<sub>2</sub>SO<sub>4</sub> or K<sub>2</sub>SO<sub>4</sub> 0.02-2.3, balance water;
- 3) H<sub>3</sub>PO<sub>4</sub> 26-50, Na<sub>2</sub>SO<sub>4</sub> or K<sub>2</sub>SO<sub>4</sub> 0.1-1.0 balance water;
- 4) HCl 26-30, Na<sub>2</sub>SO<sub>4</sub> or K<sub>2</sub>SO<sub>4</sub> 0.75-1.25 and balance water;

Tests show that the use of proposed soln. reduces time of titania film removal from glass to 38-80 sec.

USE/ADVANTAGE - The soln. can be used in removal of titania films, applied by ion plasma method, from spectacle lens and car screens. Increased rate of titania film removal is obtd. Bul.41/7.11.90

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ETCH SOLUTION CONTAIN NITRIC SULPHURIC PHOSPHORIC ACID SODIUM POTASSIUM SULPHITE WATER

DERWENT-CLASS: L01

CPI-CODES: L02-C03;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1711U; 1714U ; 1724U ; 1745U

SECONDARY-ACC-NO:  
CPI Secondary Accession Numbers: C1991-093139